

# TUNEL Assay

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 An abbreviated version of this protocol was published in Frontiers in Oncology in Jul 2021


Enhanced Antitumor Response to Immune Checkpoint Blockade Exerted by Cisplatin-Induced Mutagenesis in a Murine Melanoma Model

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## Detailed protocol

Beyond the steps in the Methods section, we followed the instructions provided by the manufacturer, please see attached protocol.  
For a more detailed discussion you may want to view some videos available on JOVE.

## Related files

 In Situ Cell Death detection-Roche.pdf



**How to cite:** (Readers should cite both the Bio-protocol preprint and the original research article where this protocol was used)

1. Englander, E. (2021). TUNEL Assay. Bio-protocol Preprint. [bio-protocol.org/1448](https://bio-protocol.org/1448).
2. Gorgun, F. M., Widen, S. G., Tyler, D. S. and Englander, E. W. (2021). Enhanced Antitumor Response to Immune Checkpoint Blockade Exerted by Cisplatin-Induced Mutagenesis in a Murine Melanoma Model. Frontiers in Oncology 0(0). DOI: [10.3389/fonc.2021.701968](https://doi.org/10.3389/fonc.2021.701968)

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